## RAW SEQUENCE LISTING PATENT APPLICATION US/08/785,532

DATE: 07/10/97 TIME: 18:42:56

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This Raw Listing contains the General Information Section and up to the first 5 pages.

1		SEQUENCE LISTING
2 3	(1) G	eneral Information: ENTERE
4		
5	(i)	APPLICANT: Gray, Joe W.
6		Collins, Colin
7 8		Hwang, Soo-In
9		Godfrey, Tony Kowbel, David
10		Rommens, Johanna
11		Kommens, Condina
12	(ii)	TITLE OF INVENTION: Genes From the 20q13 Amplicon and Their
13	, ,	Uses
14		
15	(iii)	NUMBER OF SEQUENCES: 55
16		
17	(iv)	CORRESPONDENCE ADDRESS:
18		(A) ADDRESSEE: Townsend and Townsend and Crew LLP
19		(B) STREET: Two Embarcadero Center, 8th Floor
20 21		(C) CITY: San Francisco
21		(D) STATE: California (E) COUNTRY: USA
23		(F) ZIP: 94111-3834
24		(1) 211. 94111 3034
25	(V)	COMPUTER READABLE FORM:
26	<b>,</b> ,	(A) MEDIUM TYPE: Floppy disk
27		(B) COMPUTER: IBM PC compatible
28		(C) OPERATING SYSTEM: PC-DOS/MS-DOS
29		(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
30		
31	(vi)	CURRENT APPLICATION DATA:
32		(A) APPLICATION NUMBER: US 08/785,532
33 34		(B) FILING DATE: 17-JAN-1997
3 <del>4</del> 35		(C) CLASSIFICATION:
36	(vii)	PRIOR APPLICATION DATA:
37	( * 1 1 )	(A) APPLICATION NUMBER: US 08/731,499
38		(B) FILING DATE: 16-OCT-1996
39		(-,
40	(vii)	PRIOR APPLICATION DATA:
41		(A) APPLICATION NUMBER: US 08/680,395
42		(B) FILING DATE: 15 JUL-1996
43		
44	(viii)	ATTORNEY/AGENT INFORMATION:
45		(A) NAME: Quine, Jonathan A.
46		(B) REGISTRATION NUMBER: P-41,261

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/785,532

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47		(C) REFEREN	CE/DOCKET N	UMBER: 0230	70-068 <b>920US</b>		
48	/ i \ m	ELECOMMUNIC	ATTON THEOD	MATTON.			
49	• •						
50		(A) TELEPHO					
51		(B) TELEFAX	: (415) 5/6	-0300			
52							
53 54	(2) INFORM	ATION FOR S	EQ ID NO:1:				
55				~			
56	• •	EQUENCE CHAI					
57		(A) LENGTH:		pairs			
58		(B) TYPE: ni					
59		(C) STRANDE	_	re			
60		(D) TOPOLOGY	Y: linear				
61							
62	(11) M	OLECULE TYPI	E: CDNA				
63							
64	( d )						
65		EATURE:					
66		(A) NAME/KE					
67		(B) LOCATION		/nata- IIaDi	va alama ah.	64 a.f. 21-h	
68 69		(D) OTHER I	NEORMATION:				3611
70				cranscript	or cyrosin	e kinase gene	AO
71	/vi\ q	EQUENCE DESC	ים ארדיים דםי	TO TO MO.I.			
72	(AI) D	ECOUNCE DED.	orthion. Si	ag ib no.i.			
73	רכפרבפפרב <u>ם</u>	GGGCGCCTGG	СТССАСТСАС	CGCCGGAGCC	GGGAGCTAGC	GGCCGCCGCC	60
74		00000000100	CIGCACICAG	COCCOGRACC	GGGRGCIAGC	ddccdccdcc	00
75	ATGTCCCACC	AGACCGGCAT	CCAAGCAAGT	<b>GAAGATGTTA</b>	ΔΔGΔGΔͲСͲͲ	TGCCAGAGCC	120
76							
77	AGAAATGGAA	AGTACAGACT	TCTGAAAATA	TCTATTGAAA	ATGAGCAACT	TGTGATTGGA	180
78							
79	TCATATAGTC	AGCCTTCAGA	TTCCTGGGAT	AAGGATTATG	ATTCCTTTGT	TTTACCCCTG	240
80							
81	TTGGAGGACA	AACAACCATG	CTATATATTA	TTCAGGTTAG	ATTCTCAGAA	TGCCCAGGGA	300
82							
83	TATGAATGGA	TATTCATTGC	ATGGTCTCCA	GATCATTCTC	ATGTTCGTCA	AAAAATGTTG	360
84							
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86							
87	GTATTTGGAA	CAGTAAAGGA	AGATGTATCA	TTACATGGAT	ATAAAAAATA	CTTGCTGTCA	480
88							
89	CAATCTTCCC	CTGCCCCACT	GACTGCAGCT	GAGGAAGAAC	TACGACAGAT	TAAAATCAAT	540
90							
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92							
93	CCCATTTCTC	GAGAAGCCTT	TCAGGCTTTG	GAAAAATTGA	ATAATAGACA	GCTCAACTAT	660
94							
95	GTGCAGTTGG	AAATAGATAT	AAAAAATGAA	ATTATAATTT	'MEGCCAACAC	AACAAATACA	720
96	aama	1 mmma	a) aa) ======		amaamma ***		
97	GAACTGAAAG	ATTTGCCAAA	GAGGATTCCC	AAGGATTCAG	CICGTTACCA	TTTCTTTCTG	780
98	mamaaacacc	ааа х тах х аа	3 C 3 C M 3 M M M T	aramagrar.	mmmma a mmm a	MMG A A MG G G M	040
99	TATAAACATT	CCCATGAAGG	AGACTATTTA	GAGTCCATAG	TTTTTATTTA	TTCAATGCCT	840

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100					•	MI OI SEI. S1090	)1.1UN
100 101	GGATACACAT	GCAGTATAAG	AGAGCGGATG	CTGTATTCTA	GCTGCAAGAG	CCGTCTGCTA	900
102 103	GAAATTGTAG	AAAGACAACT	ACAAATGGAT	GTAATTAGAA	AGATCGAGAT	AGACAATGGG	960
104 105	GATGAGTTGA	CTGCAGACTT	CCTTTATGAA	GAAGTACATC	CCAAGCAGCA	TGCACACAAG	1020
106 107	CAAAGTTTTG	CAAAACCAAA	AGGTCCTGCA	GGAAAAAGAG	GAATTCGAAG	ACTAATTAGG	1080
108 109	GGCCCAGCGG	AAACTGAAGC	TACTACTGAT	TAAAGTCATC	ACATTAAACA	TTGTAATACT	1140
110 111	AGTTTTTTAA	AAGTCCAGCT	TTTAGTACAG	GAGAACTGAA	ATCATTCCAT	GTTGATATAA	1200
112 113	AGTAGGGAAA	AAAATTGTAC	TTTTTGGAAA	ATAGCACTTT	TCACTTCTGT	GTGTTTTTAA	1260
114							
115 116	AATTAATGTT	ATAGAAGACT	CATGATTTCT	ATTTTTGAGT	TAAAGCTAGA	AAAGGGTTCA	1320
117 118	ACATAATGTT	TAATTTTGTC	ACACTGTTTT	CATAGCGTTG	ATTCCACACT	TCAAATACTT	1380
119 120	СТТААААТТТ	TATACAGTTG	GGCCAGTTCT	AGAAAGTCTG	ATGTCTCAAA	GGGTAAACTT	1440
121 122	ACTACTTTCT	TGTGGGACAG	AAAGACCTTA	AAATATTCAT	ATTACTTAAT	GAATATGTTA	1500
123	AGGACCAGGC	TAGAGTATTT	TCTAAGCTGG	AAACTTAGTG	TGCCTTGGAA	AAGCCGCAAG	1560
124 125	TTGCTTACTC	CGAGTAGCTG	TGCTAGCTCT	GTCAGACTGT	AGGATCATGT	CTGCAACTTT	1620
126 127	TAGAAATAGT	GCTTTATATT	GCAGCAGTCT	TTTATATTTG	ACTTTTTTT	AATAGCATTA	1680
128 129	AAATTGCAGA	TCAGCTCACT	CTGAAACTTT	AAGGGTACCA	GATATTTTCT	ATACTGCAGG	1740
130 131	ATTTCTGATG	ACATTGAAAG	ACTTTAAACA	GCCTTAGTAA	ATTATCTTTC	TAATGCTCTG	1800
132 133	талассалл	<b>ሮ</b> ልጥጥጥ ልጥርጥጥ	СУСУДСТВО	ጥጥጥል አለጥጥል	TATCATTCAA	AAGGAAAGAA	1860
134							
135 136	AAAA'I'G'I"I'GA	GTTTTAAAAA	TCAGGATTGA	CTTTTTTCTC	CAAAACCATA	CATTTATGGG	1920
137 138	CAAATTGTGT	TCTTTATCAC	TTCCGAGCAA	ATACTCAGAT	TTAAAATTAC	TTTAAAGTCC	1980
139 140	TGGTACTTAA	CAGGCTAACG	TAGATAAACA	CCTTAATAAT	CTCAGTTAAT	ACTGTATTTC	2040
141	AAAACACATT	TAACTGTTTT	CTAATGCTTT	GCATTATCAG	TTACAACCTA	GAGAGATTTT	2100
142	GAGCCTCATA	TTTCTTTGAT	ACTTGAAATA	GAGGGAGCTA	GAACACTTAA	TGTTTAATCT	2160
144 145	GTTAAACCTG	CTGCAAGAGC	CATAACTTTG	AGGCATTTTC	TAAATGAACT	GTGGGGATCC	2220
146 147	AGGATTTGTA	ATTTCTTGAT	CTAAACTTTA	TGCTGCATAA	ATCACTTATC	GGAAATGCAC	2280
148 149	ATTTCATAGT	<b>≪</b> GTGAAGCACT	CATTTCTAAA	CCTTATTATC	TAAGGTAATA	TATGCACCTT	2340
150 151	TCAGAAATTT	● GTGTTCGAGT	AAGTAAAGCA	ТАТТАСААТА	ATTGTGGGTT	GACAGATTTT	2400
152							•

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## RAW SEQUENCE LISTING PATENT APPLICATION US/08/785,532

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153	TAAAATAGAA TTTAGAGTAT TTGGGGTTTT GTTTGTTT	2460
154		2520
155	TTAAACATGC AAAATAACTG ACAATAATGT TGCACTTGTT TACTAAAGAT ATAAGTTGTT	2520
156		2580
157	CCATGGGTGT ACACGTAGAC AGACACACAT ACACCCAAAT TATTGCATTA AGAATCCTGG	2500
158	AGGAGAGAM AGGMGAAGGM GMMAMMMMAA GMGAGGAAGA GMAGGMGMGA MGAAGGMAMA	2640
159	AGCAGACCAT AGCTGAAGCT GTTATTTTCA GTCAGGAAGA CTACCTGTCA TGAAGGTATA	2640
160		2700
161	AAATAATTTA GAAGTGAATG TTTTTCTGTA CCATCTATGT GCAATTATAC TCTAAATTCC	2/00
162		2760
163	ACTACACTAC ATTAAAGTAA ATGGACATTC CAGAATATAG ATGTGATTAT AGTCTTAAAC	2/60
164 165	TAATTATTAT TAAACCAATG ATTGCTGAAA ATCAGTGATG CATTTGTTAT AGAGTATAAC	2820
	TAATTATTAT TAAACCAATG ATTGCTGAAA ATCAGTGATG CATTTGTTAT AGAGTATAAC	2820
166		2000
167	TCATCGTTTA CAGTATGTTT TAGTTGGCAG TATCATACCT AGATGGTGAA TAACATATTC	2880
168		2040
169	CCAGTAAATT TATATAGCAG TGAAGAATTA CATGCCTTCT GGTGGACATT TTATAAGTGC	2940
170	ATTTTATATC ACAATAAAAA TTTTTTCTCT TTAAAAAAAA	3000
171 172	ATTITATATE ACARTAARAA TITTITETET TTARAARAAA AAAACAAGAA AAAAAAAAA	3000
172		
173 174	(2) INFORMATION FOR SEO ID NO:2:	
175	(2) INFORMATION FOR SEQ ID NO:2:	
176	(i) SEQUENCE CHARACTERISTICS:	
177	(A) LENGTH: 723 base pairs	
178	(A) LENGTH: 723 base pairs (B) TYPE: nucleic acid	
179	(C) STRANDEDNESS: single	
180	(C) STRANDEDNESS: Single (D) TOPOLOGY: linear	
181	(D) TOPOLOGI: IIneal	
182	(ii) MOLECULE TYPE: cDNA	
183	(II) MOLECOLE TIPE: CDNA	
184		
185	(ix) FEATURE:	
186	(A) NAME/KEY: -	
187	(B) LOCATION: 1723	
188	(D) OTHER INFORMATION: /note= "cDNA clone 1b11 of 3.5kb	
189	transcript"	
190	cramborrpe	
191		
192	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:	
193	(NI) DEFORMED BEDEKTI IIONI DEF ID NOILI	
194	TGGAAGCTGT CATGGTTACC GTCTCTAACG TTGGACTCTT AAGAAAATGA TTATTCCTGG	60
195	mommin initial control in the control of the	
196	TTTCTAGACA GGCCAAATGT AATTCACCTA CGTGGCAGAT TAAAGAGGTG GGCTTACTAG	120
197		
198	ATTTGATTGG GTATTGAGCA TGCTCTGAAT GACAGTCCCC AAAAAGGACC TCTTATCCGT	180
199	•	
200	TCTTCCCCTT GGGGAAGGGC TTTTGCCACT TCCATGTCAA TGTGGCAGTT GAGCTTGGAA	240
201	4	•
202	ATTGGTGCGT TGTACAACAT AAGCATTACT TCTCCAAGAT GTGCCTGTGT AGAAATGGTC	300
203	<u> </u>	- • •
204	ATAGATTCAA AACTGTAGCT ACTATGTGGA CAGGGGGGCA GCAAGGACCC CACTTTGTAA	360

#### RAW SEQUENCE LISTING PATENT APPLICATION US/08/785,532

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INPUT SET: S18901.raw AACATGTTTT GGGGGAATGT TTTGTTTTTC ATTTCTTAT TACCTGGCAA AATAATCCAG GTGGTGTGTG AGTCACCAGT AGAGATTATA AAGTCCAAGG AAGTAGAATC AGCCTTACAA ACAGTGGACC TCAACGAAGG AGATGCTGCA CCTGAACCCA CWGAAGCGAA ACTCAAAAGA GAAGAAAGCA AACCAAGAAC CTCTCTGATG RCGTTTCTCA GACAAATGGT AAGCCCCTTA CTTCCAGTAT AGGAAACCTA AGATACCTAG AGCGGCTTTT GGGAACAATG GGCTCATGCC ACAGGTAGTA GGAGACATAA TTGTAGCTGG TGTGTATGGA ATGTGAATGG AATATGGATT GCG (2) INFORMATION FOR SEQ ID NO:3: (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 1507 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear (ii) MOLECULE TYPE: cDNA (ix) FEATURE: (A) NAME/KEY: -(B) LOCATION: 1..1507 (D) OTHER INFORMATION: /note= "cDNA clone cc49 of 6-7kb transcript with homology to C2H2 zinc finger genes" (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3: GCAGGTTGCT GGGATTGACT TCTTGCTCAA TTGAAACACT CATTCAATGG AGACAAAGAG CACTAATGCT TTGTGCTGAT TCATATTTGA ATCGAGGCAT TGGGAACCCT GTATGCCTTG TTTGTGGAAA GAACCAGTGA CACCATCACT GAGCTTCCTA AAAGTTCGAA GAAGTTAGAG GACTATACAC TTTCTTTTGA ACTTTTATAA TAAATATTTG CTCTGGTTTT GGAACCCAGG ACTGTTAGAG GGTGAGTGAC AGGTCTTACA GTGGCCTTAA TCCAACTCCA GAAATTGCCC AACGGAACTT TGAGATTATA TGCAATCGAA AGTGACAGGA AACATGCCAA GTCAATCCCT CTTAATGTAC ATGGATGGCC AAGAGTGATT GGCAGCTCTC TTGCCAGTCC GATGGAGATG GAGATGCCTT GTCAATGAAA GGGCCCNCTG TTGTCAATTC CGAGCTACAC AAAGAAAAAA ATGTCAATCC GAATCGAGGG GAATATGCCC TTGGATTGCA TGTTCTGCAG CCAGACCTTC 

#### **SEQUENCE VERIFICATION REPORT** PATENT APPLICATION *US/08/785,532*

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